

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT	(\$ 275.00)
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Complete if Known

Application Number	10/786,451
Filing Date	02/24/04
First Named Inventor	Tilton, Charles L.
Examiner Name	Unknown
Art Unit	2836
Attorney Docket No.	ISR-193

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

Deposit Account Number	<input type="text"/>
Deposit Account Name	<input type="text"/>

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385			Utility filing fee	
1002 340	2002 170			Design filing fee	
1003 530	2003 265			Plant filing fee	
1004 770	2004 385			Reissue filing fee	
1005 160	2005 80			Provisional filing fee	
SUBTOTAL (1)		(\$ 0)			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20** =	<input type="text"/> X <input type="text"/> = <input type="text"/>	
			- 3** =	<input type="text"/> X <input type="text"/> = <input type="text"/>	
				<input type="text"/> = <input type="text"/>	

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description
1202 18	2202 9			Claims in excess of 20
1201 86	2201 43			Independent claims in excess of 3
1203 290	2203 145			Multiple dependent claim, if not paid
1204 86	2204 43			** Reissue independent claims over original patent
1205 18	2205 9			** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 0)		

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	65.00
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	210.00
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 275.00)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Paul A. Knight	Registration No. (Attorney/Agent)	53,144	Telephone (509)232-343
Signature		Date	9-13-04	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

Invention: Etched Open Microchannel)
 Spray Cooling)
 Attorney Docket No.: ISR-193)
 Serial No.: 10/786,451)
 Filed: 02/24/2004)
 Inventor: Tilton, Charles L.)
 Examiner: Unknown)
 Group Art Unit: 2836)
 Attorney/Agent: Paul A. Knight)

To: Mail Stop Missing Parts
 Commission of Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

A. SURCHARGE PURSANT TO 37 CFR 1.16(e)

Pursuant to the *Notice to File Missing Parts of Nonprovisional Application* mailed on 05/18/2004, the applicant has include the appropriate fee of \$65.00 as set forth in 37 CFR 1.16(e) in compliance with 37 CFR 1.27.

B. PETITION AND FEE FOR EXTENSION OF TIME (37 CFR 1.136(a))

1. This is a petition for an extension of time for a total of one (2) months to file a Declaration signed by the inventor(s) in response to the *Notice to File Missing Parts of Non-Provisional Application* mailed on 05/18/2004. The granting of this extension will extend the response time until 09/18/2004.
2. Applicant is a small entity.
3. Calculation of the extension fee (37 CFR 1.17(a)-(d)):

<u>Extension Time</u>	<u>Fee (Small Entity)</u>
[] One Month	\$55.00
[X] Two Months	\$210.00
[] Three Months	\$475.00

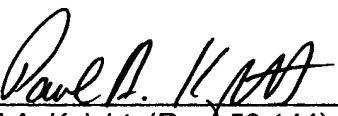
4. The appropriate fee amount has been included in the enclosed payment. Authorization has been provided by the enclosed Fee Transmittal to charge any insufficient payment to the credit card as described by the enclosed Credit Card Payment Form number PTO-2038.

B. SIGNED DECLARATION

The *Notice to File Missing Parts of Nonprovisional Application* stated that the original nonprovisional application included an unsigned declaration. Please find enclosed a Declaration signed by the inventor(s). The application has further included a copy of the *Notice to File Missing Parts of Nonprovisional Application* as required.

Any questions regarding this matter may be directed to the attorney/agent of record, Paul A. Knight, at (509) 232-3437.

Respectfully submitted,

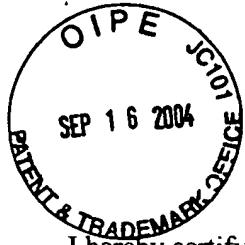


Paul A. Knight (Reg. 53,144)
2118 North Molter Road
Liberty Lake, WA 99109

9-13-04

Date

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Fax: (509) 444-1083
e-mail: pknight@spraycool.com



Docket Number: ISR-193

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with proper postage as First Class mail in an envelope addressed to:

**Mail Stop Missing Parts
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

On September 13, 2004.

Paul A. Knight
Paul A. Knight

9-13-04
Date

Isothermal Systems Research, Inc.
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Liberty Lake Wa, 99019

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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 Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/786,451	02/24/2004	Charles L. Tilton	ISR-193

Paul A. Knight
 2218 North Molter Road
 Liberty Lake, WA 99019



CONFIRMATION NO. 4916
FORMALITIES LETTER



OC000000012700316

Date Mailed: 05/18/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$65** for a Small Entity

- **\$65** Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts
 Commissioner for Patents
 P.O. Box 1450

09/17/2004 AWONDAF1 00000133 10786451 Alexandria VA 22313-1450

01 FC:2051 65.00 OP

*A copy of this notice **MUST** be returned with the reply.*

TH

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY